

**Team:**  
**Members:**

**Robot:**

**Team Name:**

**Period:**

**Robot Educator – The Common Palette #3**

Continue programming the Common Palette from the Robot Educator. After you have completed each number, show the teacher that it is complete. You may program ahead, but Ms. B. will only initial a maximum of 2 at a time. (40 pts)

Note: You will not receive credit until you have demonstrated the following:

- On *Action Replay*, you will cause the robot to perform some action (such as moving the wheels). The robot must then replay those actions.
- On *Detect Sound*, the robot must move at least the length of 2 floor tiles before you clap telling it to stop.
- On *Sound Control*, the robot should be programmed to move either forwards or backwards with a loud sound, and the opposite direction with a soft sound. You need to know before you show Ms. Blomeyer which sound moves the robot forwards and which moves the robot backwards.
- On *Detect Distance*, the robot must move from one box in the room to another and stop just before it touches the second box.
- On *Distance Control*, the robot must move forward from one box in the room and stop just before it touches the second box. It then must then back up automatically.

Students Fill This Out			Teacher Fills This Out			
#	Robot Educator Name	What does it do?	Date	Initials	Pts	Total
11					6	
12					6	
13		Loud Sound:    Forwards    Backwards			6	
		Soft Sound:    Forwards    Backwards			6	
14					6	
15					6	
XX	Show Ms. B. a flash drive with all 15 programs and xxxx.				4	